



**DR 4200 NDE Information Retrieval
Management System
[Centralised Radiographic archives]**

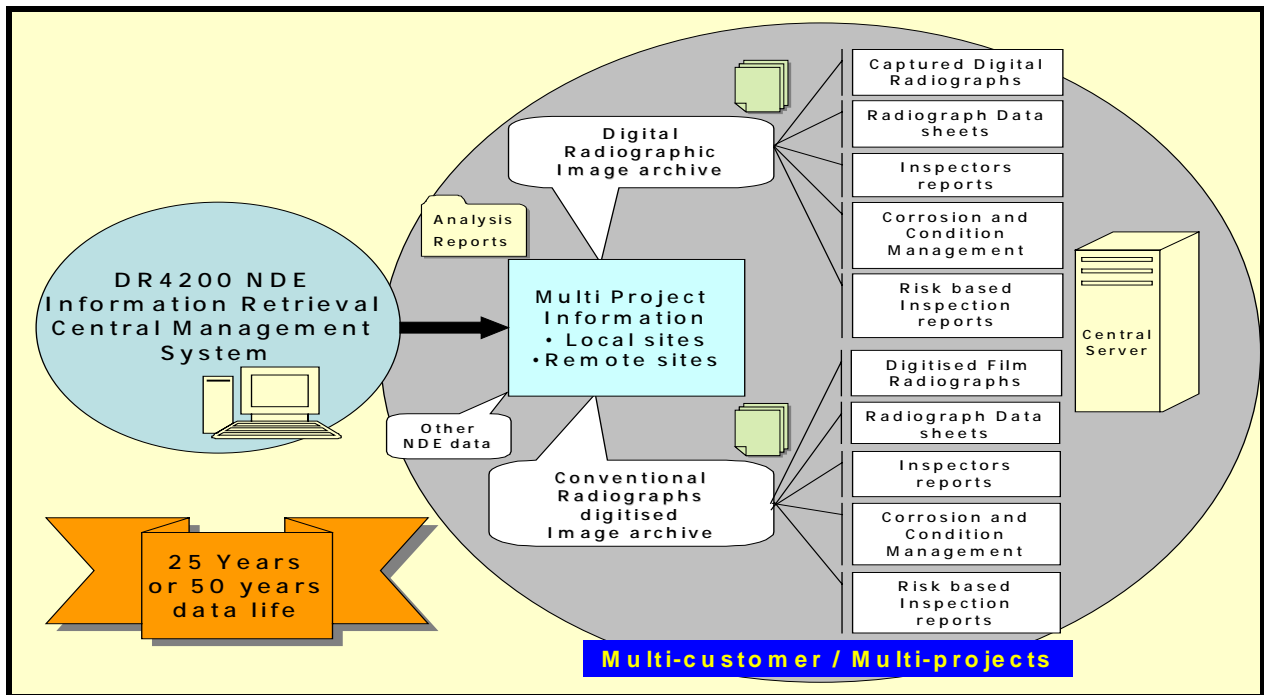
Unique significant additions to CIT's Digital Radiograph Technology Family

Who For?

- Petrochemical Refineries [NDT Inspection Departments]
- Oil Platforms [Operations and Plant Maintenance]
- Nuclear Power plants [Quality Assurance Departments]
- Oil and Gas Pipeline and Pipework [Pipeline Integrity Assessment]
- Aerospace [Aircraft maintenance records]
- Food and Chemical Industry [Plant predictive maintenance]

Background

Quality managers & senior investigation managers can now have access to their NDE product archived data via the DR4200 NDE Information Retrieval Management System. This system replaces traditional methods of retrieving the data from physical archives with the electronic permanent archives, improving efficiency & speed. The data retrieved may cover any or all of the information types shown below. Other NDE data may also be archived and integrated to make product information complete.



Benefits

- Cost efficient management of electronic data
- Better practice and utilisation of human resources
- Rapid & Active information retrieval



Supplier of the World's Most Advanced Imaging, Digital Radiography, Enterprise Computer and Archive Systems

Computerised Information Technology Limited

Technical Specifications

1	Product Description	4	System compatibility
	<ul style="list-style-type: none"> o NDE Information Retrieval system to diagnostic quality Image level o Powerful index-based Search criteria for reviewing radiographs, their associated reports and other details o Review construction deliverables as reported by the auditors, inspectors and supervisors o Print reports or send via e-mail o Access from local sites or remote sites [restricted by communication speeds from satellites or telecom] o Secure data access to privileged authorised personnel 		<ul style="list-style-type: none"> o DR3000 Radiograph film digitised system o DR1400, DR1200, DR1000 digital radiograph systems
		5	DR4200 NDE retrieval system software
			<ul style="list-style-type: none"> o <Search> functions from permanent archive o 4 types of <browser> methods of data retrieval o Advanced radiograph image analysis inspection tools for detailed investigations o Built in security access to authorised persons only o <Product reports> create, review reports configurable by the end customers to suit their template o Managed system administration o Corrosion Assessment and condition management o Risk based condition management and system utilisation o Automated report generations o Intelligent backup and restore information management. o Remote connectivity.
2	International Standards complied	6	Training and certification
	<ul style="list-style-type: none"> o ASME V Article II on radiograph digitised radiograph films o ASME V Article VIII on phosphor imaging retrieval of digital radiographs o NUREG 1452 radiograph digitisation retrieval o Nuclear NAS 160/ AES 6001/BS2633, CEN 1435 o CEN 472/473 radiographic training system requirements o API1104 ASNT and ASTM 7002, 2033,7020 technical working and practice inspection data retrieval 		<ul style="list-style-type: none"> ▪ End user training for <ol style="list-style-type: none"> 1. Supervisors 2. Inspectors 3. Auditors 4. System administrators 5. System maintenance; 1st line & 2nd line ▪ Multi-project management
3	DR4200 NDE System specification	7	Facility Parameter
	<p><i>Radiograph display monitor</i></p> <ul style="list-style-type: none"> o Display type: 21" [approx.] o Display resolution: 2560(V) x 2048(H) pixels o Pixel pitch: 165 micron (0.165mm) o Feature: monochrome high brightness <p><i>Radiograph computer system</i></p> <ul style="list-style-type: none"> o Pentium IV 3.4 GHZ, 1GB Ram, 100GB HDD o Optical storage disk system o Optical jukebox [optional extra] o Fault tolerant computing [optional] o Hard copy radiograph paper printer 35 cm by 43 cm size maximum o Document scanner o Connectivity modem or ISDN or satellite [128 kb or 256 kb or 1 MBit] o DR4200 NDE Information radiograph central management software version 1.5 upwards 		<ol style="list-style-type: none"> 1. Mains supply <ul style="list-style-type: none"> o 110 /240 volts 50/60HZ mains o 1100 VA o Line stabilisation Recommended UPS with battery time of at least 60 minutes 2. Installation suitability <ul style="list-style-type: none"> o Office environment with unimpaired light and air conditioner
		8	System Packaging Information
			<ul style="list-style-type: none"> o DR4200 is usually packaged and dispatched in Heavy Plastic pallet box unit suitable for air freight or land transport of freight case o Physical dimensions are [Approximate] <ul style="list-style-type: none"> ▪ Width: 800 mm ▪ Height: 820 mm ▪ Length: 1200 mm o Weight: 82 kg [approx.]

For further details contact our sales department

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